

CLAIMS

We claim:

1 1. An electronic circuit arrangement, in particular an LED circuit arrangement
2 (1), having a lead (3), via which electronic circuit elements (6) of the circuit
3 arrangement, in particular LED components, can be driven by a drive circuit (2; 20; 21;
4 22),

5 wherein

6 the lead (3) has a plurality of coding conductors (3c, 3d), which carry a code by
7 means of a combination of electrically interrupted and electrically continuous coding
8 conductors (3c, 3d), said code giving an indication of specific properties of the circuit
9 arrangement.

1 2. The electronic circuit arrangement as claimed in claim 1,

2 wherein

3 the code can be detected by means of an evaluation circuit (70; 71; 72; 73),
4 which passes a corresponding control signal to the drive circuit (2; 20; 21).

1 3. The electronic circuit arrangement as claimed in claim 1,

2 wherein

3 an interrupted coding conductor represents the logic state "0" and a
4 non-interrupted coding conductor represents the logic state "1".

1 4. The electronic circuit arrangement as claimed in claim 2,
2 wherein
3 at least two coding conductors (3d) can in each case be individually connected to
4 a measurement voltage source of the drive circuit (21) and the coding conductors (3d)
5 can furthermore be connected to the evaluation circuit (73).

1 5. The electronic circuit arrangement as claimed in claim 2,
2 wherein
3 the evaluation circuit (72; 73) is a digital/analog converter (D/A).

1 6. The electronic circuit arrangement as claimed in claim 5,
2 wherein
3 the digital/analog converter (D/A) contains a resistor network.

1 7. The electronic circuit arrangement as claimed in claim 6,
2 wherein
3 a reference voltage (U_{ref}) of the digital/analog converter (D/A) is a measurement
4 voltage provided by the measurement voltage source.

1 8. The electronic circuit arrangement as claimed in claim 1,
2 wherein

3 an electrical supply line for the circuit elements can be provided by at least one
4 electrically continuous coding conductor (3d).

1 9. The electronic circuit arrangement as claimed in claim 1,
2 wherein
3 the lead and the circuit arrangement are arranged on a common carrier, in
4 particular on a common printed circuit board.

1 10. The electronic circuit arrangement as claimed in claim 1,
2 wherein
3 the lead is arranged on a flexible part of a carrier.

1 11. The electronic circuit arrangement as claimed in claim 1,
2 wherein
3 the coding conductors (3c, 3d) can be interrupted by perforation, stamping and/or
4 milling or in a comparable manner.

1 12. The electronic circuit arrangement as claimed in claim 1,
2 wherein
3 the lead can be electrically connected to the drive circuit and/or to the circuit
4 arrangement (1) by plug connectors.

1 13. The electronic circuit arrangement as claimed in claim 1,
2 wherein
3 the circuit arrangement (1) is an LED circuit arrangement (1).

1 14. The electronic circuit arrangement as claimed in claim 13,
2 wherein
3 the LED circuit arrangement (1) has a plurality of LED chains each having a
4 plurality of LED components (6), said LED chains being electrically connected in parallel
5 with one another.

1 15. The electronic circuit arrangement as claimed in claim 14,
2 wherein
3 the coding is correlated by the brightness grouping of the LED components used
4 in the LED circuit arrangement.

1 16. A method for coding an electronic circuit arrangement, in particular an
2 LED circuit arrangement, as claimed in claim 1,
3 wherein
4 the lead is coded by perforation, stamping and/or milling or in a comparable
5 manner after the completion of the electronic circuit arrangement, in accordance with
6 the properties, parameters and/or functions of said electronic circuit arrangement.